

**rac-16:0PI(3,5)P2-d5**

1,2-dipalmitoyl-rac-glycero(d5)-3-phospho-(1'-myo-inositol-3',5'-bisphosphate) (ammonium salt)

**850172P-500ug**

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<b>Molecular Weight</b>	1027.11
<b>Chemical Formula</b>	C <sub>41</sub> H <sub>85</sub> D <sub>5</sub> N <sub>3</sub> O <sub>19</sub> P <sub>3</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5613PFA010
<b>Avanti Lot Number</b>	850172P-500UG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (45: 35: 7.7: 2.3 Chloroform: Methanol: Water: Ammonium Hydroxide)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 487.00 ± 1 amu	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 487.1 amu

Approved by:

